

**IN THE CLAIMS**

- 1) (previously presented) A catalyst useful in the formation of polyisocyanurate foam from an isocyanate and a polyol comprising:
  - a) an amine component comprising 2(2-Dimethylaminoethyl)methylamino-ethanol; and
  - b) a trimer catalyst component.
- 2) (original) A catalyst according to claim 1 wherein said trimer catalyst comprises an alkali metal salt of a carboxylic acid.
- 3) (original) A catalyst according to claim 2 wherein said salt is selected from the group consisting of: octoate salts and acetate salts of an element selected from the group consisting of: lithium, sodium, potassium, and cesium.
- 4) (original) A catalyst according to claim 1 further comprising an additional amine component.
- 5) (original) A catalyst according to claim 4 wherein said additional amine component is selected from the group consisting of: pentamethyldiethylenetriamine; dimethylcyclohexylamine; 2,2'-oxybis (N,N-dimethylethanamine); aminophenol; dimethylethanolamine; dimethylpiperazine; N-ethylmorpholine; N-methylmorpholine; 1,3,5-triazine-1,3,5 (2H, 4H, 6H)-tripropanamine, N, N, N',N', N'', N''-hexamethyl; 1,3-propanediamine,N'-(3-(dimethylamino)propyl)-N,N-dimethyl; 2-propanol, 1-(bis(3-dimethylamino)propyl) amino); 2-((2-(2-(dimethylamino)ethoxy)ethyl)methyl-amino)-ethanol; dimethylaminoethoxyethanol; 1,3-propanediamine, N-[3-(dimethylamino)propyl]-N,N',N'-trimethyl; 1,3-propanediamine, N, N-bis[3-(dimethylamino)propyl]-N',N'-dimethyl; morpholine, 4,4'-(oxydi-2,1-ethanediyl)bis-dimorpholino ethane; and triethylenediamine.
- 6) (original) A catalyst according to claim 1, further comprising an organotin compound.
- 7) (previously presented) A process for producing an isocyanurate foam product comprising the steps of:
  - a) providing an isocyanate and a polyol;

- b) providing a catalyst comprising:
    - i) an amine component comprising 2(2-Dimethylaminoethyl)methylamino-ethanol; and
    - ii) a trimer catalyst component;
  - c) contacting said isocyanate and said polyol in the presence of said catalyst.
- 8) (original) A process according to claim 7 wherein said isocyanate is selected from the group consisting of: aromatic di-isocyanates, polymeric isocyanates, aliphatic di-isocyanates, and aliphatic tri-isocyanates.
- 9) (currently amended) A process according to claim 7 wherein said polyol is selected from the group consisting of: aromatic polyesterpolyols, amino polyols, mannich polyols, sucrose-derived polyols, sorbitol-derived polyols, and combinations thereof.
- 10) (currently amended) A process according to claim 7 wherein said trimer catalyst is selected from the group consisting of: potassium octoate; potassium acetate; ~~JEFFCAT® TR-52~~; 2-hydroxypropyl trimethylammonium 2-ethylhexanoate; and 2-hydroxypropyl trimethylammonium formate.
- 11) (original) A process according to claim 7 wherein said catalyst further comprises: iii) a second amine component selected from the group consisting of: pentamethyldiethylenetriamine; dimethylethanolamine; 2, 2'-oxybis (N,N-dimethylethanamine); triethylenediamine; 1,3,5-triazine-1,3,5 (2H, 4H, 6H)-tripropanamine, N, N, N',N', N'', N''-hexamethyl; 1,3-propanediamine, N, N-bis[3-(dimethylamino)propyl]-N',N'-dimethyl; aminophenol; and 1,3-propanediamine, N-[3-(dimethylamino)propyl]-N,N',N'-trimethyl.
- 12) (previously presented) A process for producing an isocyanurate foam product comprising the steps of:
- a) providing an isocyanate and a polyol;
  - b) providing a blowing agent;
  - c) providing a catalyst comprising:

- i) an amine component comprising 2(2-Dimethylaminoethyl)methylamino-ethanol; and
- ii) a trimer catalyst component;
- d) contacting said isocyanate and said polyol in the presence of said catalyst and said blowing agent.

13) (original) A process according to claim 12 wherein said isocyanate is selected from the group consisting of: aromatic di-isocyanates, polymeric isocyanates, aliphatic di-isocyanates, and aliphatic tri-isocyanates.

14) (currently amended) A process according to claim 12 wherein said polyol is selected from the group consisting of: aromatic polyesterpolyols, amino polyols, mannich polyols, sucrose-derived polyols, sorbitol-derived polyols, and combinations thereof.

15) (original) A process according to claim 12 wherein said trimer catalyst is selected from the group consisting of: 2-hydroxypropyl trimethylammonium 2-ethylhexanoate; and 2-hydroxypropyl trimethylammonium formate.

16) (currently amended) A process according to claim 12 wherein said blowing agent is selected from the group consisting of: water, carbon dioxide, pentane, isopentane, n-pentane, cyclopentane, butane, and dichloromonofluoroethane or another chlorofluorocarbon R-141b®, and R-245FA®.

17) (original) A process according to claim 12 wherein said catalyst further comprises: iii) a second amine component selected from the group consisting of: pentamethyldiethylenetriamine; dimethylethanolamine; 2, 2'-oxybis (N,N-dimethylethanamine); triethylenediamine; 1,3,5-triazine-1,3,5 (2H, 4H, 6H)-tripropanamine, N, N, N',N', N'', N''-hexamethyl; 1,3-propanediamine, N, N-bis[3-(dimethylamino)propyl]-N',N'-dimethyl; aminophenol; and 1,3-propanediamine, N-[3-(dimethylamino)propyl]-N,N',N'-trimethyl.

Claims 18-20 (Cancelled)

21. (new) The process according to claim 7 wherein contacting said isocyanate and said polyol in the presence of said catalyst includes contacting said isocyanate and said polyol in the presence of said catalyst at a temperature of at least 140 °C.

22. (new) The process according to claim 21 wherein contacting said isocyanate and said polyol in the presence of said catalyst includes contacting said isocyanate and said polyol in the presence of said catalyst for at least 650 seconds.

23. (new) The process according to claim 21 wherein contacting said isocyanate and said polyol in the presence of said catalyst includes contacting said isocyanate and said polyol in the presence of said catalyst at a temperature of between 140 °C and 181 °C.